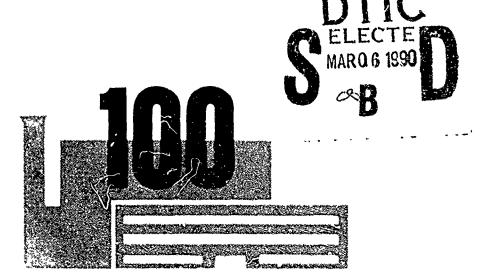
PG1

### 100 COMPANIES

RECEIVING THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS

Fiscal Year 1989



DISTRIBUTION STATEMENT A

Approved for public release; Distribution Unlimited

whs

DIRECTORATE FOR INFORMATION OPERATIONS AND REPORTS (DIOR)

# 100 COMPANIES RECEIVING THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS

Fiscal Year 1989

Department of Defense
Washington Headquarters Services
Directorate for Information
Operations and Reports

Veneza by the deposition of the Documents IIIs Constituting of the Was nation, and 2010.

DTIC and NTIS identification number for this publication is DIOR/P01-89

#### **FOREWORD**

100 Companies Receiving the Largest Dollar Volume of Prime Contract Awards is published annually. This report contains summary data on the 100 companies, including their subsidiaries, which were awarded the largest total dollar volume of Department of Defense prime contract awards during Fiscal Year 1989



Access	ion For	•	
NTIS	GRALI	1	9
DTIC T		[	7
Unanno	unced	į	]
Justii	ication	<u> </u>	
ВА			_
Distr	ibution	<u>/</u>	, 
Avai	labilit	y Cod	88
	Avail 8	ind/or	•
Dist	Spec	lal	
1			
AI	1		
H			
THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED			

### TABLE OF CONTENTS

Introducti	tion	•	 . 1
Notes on C	Coverage		 . 1
Highlights	ts		 . 1
Exhibit	t A		 . 2
Changes in	in the Top 100 Companies, FY 1988 to FY 1989		 . 3
Exhibit	t B		 . 3
Primary Pr	Procurement Categories of the Top 100 Companies $\dots \dots$	•	 . 4
Exhibit	t C		 . 4
Top 10 Com	ompanies		 . 4
Exhibit	t D		 . 4
Exhibit	t E		 . 5
Table 1.	Index of 100 Parent Companies Which Received the Largest D Volume of Prime Contract Awards		. 7
Table 2.	100 Companies and Their Subsidiaries Listed According to N Value of Prime Contract Awards		 . 9

#### INTRODUCTION

This report presents summary data on the 100 companies and their subsidiaries receiving the largest dollar volume of Department of Defense (DoD) prime contract awards during fiscal year (FY) 1989. Table 1, (page 7) lists the 100 companies in alphabetical order and gives their associated rank. Table 2 (page 9) identifies the parent companies in rank order, with their subsidiaries, and gives the total net value of awards for both the parent company and its subsidiaries. In many cases the parent company receives no awards itself but appears on the list because of its subsidiaries. Table 2 also shows what percent of the total awards each company's awards represent as well as the cumulative percent represented by all companies,

MOTES ON COVERAGE

MOTES ON COVERAGE

Data in this report reflect the net value of both debit and credit procurement actions over \$25,000; e.g. the value of a terminated contract or other downward adjustment to a contract is deducted from a firm's total award amount, while modifications and other positive adjustments are treated as increases. Procurement actions include definitive contracts, the obligated portions of letter contracts, job orders, task orders, delivery orders, and any other orders against existing contracts. Research and development, services, construction, and supply and equipment contracts, worldwide, are included.

The report does not include those parts of indefinite quantity contracts that have not been translated into specific orders to business firms, or those contracts that have not yet become mutually binding agreements between the government and the company. The company totals do not include contracts made by other U.S. Government agencies and financed with Department of Defense funds or contracts awarded in foreign nations through their respective governments.

DATA RELATING TO COMPANIES IN THIS PUBLICATION ARE SUBJECT TO THE ACCURACY OF THE DUN & BRADSTREET CORPORATION'S DATA UNIVERSAL NUMBERING SYSTEM AND ITS ABILITY TO DESCRIBE RELATIONSHIPS OF COMPANIES.

#### HIGHLIGHTS

Department of Defense prime contract awards over \$25,000 totaled \$129.0 billion during FY 1989, \$8.0 billion less than in FY 1988. The 100 firms and their subsidiaries receiving the largest amount of DoD contracts in FY 1989 received \$85.6 billion or 66.4 percent of this amount, primarily for aircraft, missile/space systems, ships, and electronics & communications equipment. In FY 1988 the top 100 companies received \$90.1 billion or 65.8 percent of all awards.

Profe 1

Exhibit A below shows that the first five companies received 22.3 percent of the total received by all companies in FY 1989, compared with 21.4 percent during FY 1988. The company ranked as number one during FY 1989, McDonnell Douglas Corp, also ranked as number one last year with awards of \$8.6 billion during FY 1989 as compared with \$8.0 billion last year. The smallest total amount received by a company in the FY 1989 Table 2 was \$110 million, compared to \$129 million in FY 1988.

Exhibit A

COMPANY	Percent of Total					
POSITION	FY 1989	FY 1988	FY 1987	FY 1986		
1st 2nd 3rd 4th 5th	6.7% 5.3 4.5 2.9 2.9	5.8% 4.8 4.1 3.7 3.0	5.4% 4 9 4.1 3.9 2.9	5.5% 4.7 4.5 3.8 3.5		
TOTAL 1-5	22.3	21.4	21.2	22.0		
6-10 11-25	12.2 15.1	12.6 15.7	12.7 16.6	13.1 14.9		
TOTAL 1-25	49.6	49.7	50.5	50.0		
26-50 51-75 76-100 TOTAL 1-100	9.4 4.7 2.7 66.4%	8.5 4.7 2.9 65.8%	9.3 4.6 2.5 66.9%	9 8 4 8 3.1 67 7%		

### Changes in the Top 100 Companies, FY 1938 To FY 1989

Eighteen companies which did not appear on the list last year are among the top 100 companies this year. (See Exhibit B below.) Of these, one appears in position 29, one in position 31, and the balance between 60 and 100 The companies which appeared on the FY 1988 list which did not appear on this year's list are also shown in Exhibit B. Companies are considered as appearing on the list in both years despite mergers, acquisitions, divestitures, and name changes if a major component of a newly constituted company or the newly constituted company itself made the list as a component of a company in the top 100 in the prior year.

#### Exhibit B

### Companies Listed in FY 1989 But not in FY 1988

Companies Listed in FY 1988

But not in FY 1989

Astronautics Corp. of America 1/ Bechtel Group, Inc. Brunswick Corp. CAE Industries, Ltd. 2/ Continental Maritime Industries Delta Dental Plan of California Foundation Health Corp. General Instrument Corp. Johnson Controls, Inc. 3/ Logicon, Inc. Mason Co., The De McDonnell Douglas, General Dynamics JV Montedison SPA Navcom Defense Electronics, Inc. Nisshin Service Co. Ltd. Peterson Builders, Inc. Philip Morris Companies, Inc. Smith's Industries, PLC

Bahrain National Oil **Black River Constructors** Braintree Maritime Corp. Bundesamt Fuer Wehrtechik CRS Sirrine Metcalf & Eddy JV Daimler Benz North America Day and Zimmerman, Inc. Figgle International, Inc. General Electric Co. PLC Honeywell Bull AG Motor Oil Hellas Corinth Refinery Pan Am Corp. Phelps, Inc. Royal Ordnance Ammunition PLC Singer Co. Texaco, Inc. Tiger International, Inc. 4/ United Industrial Corp.

- 1/ Astronautics Corp. of America acquired Kearfott Guidance division of The Singer Co.
- <u>2/</u> CAE Industries, Ltd acquired the Link Simulation division of The Singer Co
- 3/ Johnson Controls, Inc. acquired Pan Am World World Services from Pan Am Corp
- 4/ Tiger International acquired by Federal Express Corp.

Some of the other major changes during this year were the acquisition of Kraft Inc by Philip Morris Companies, acquisition of Fairchild Weston Systems by Loral Corp, acquisition of Gould, Inc. by Nippon Mining Co., Ltd.; acquisition of Emhart Corp. by Black and Decker Corp, and the name change of Morton Thiokol, Inc. back to Thiokol Corp.

### Primary Procurement Categories of the Top 100 Companies

Although the contract work of many companies on the list includes more than one procurement category, each company has been assigned in Exhibit C (below) to the procurement category that accounts for its largest dollar volume of DoD awards, for example, General Electric Co. is a multi-industry company producing electronic and communications equipment and industrial and consumer products. For this exhibit, it has been assigned to "Aircraft", the procurement category accounting for its largest dollar volume of DoD contract awards

#### Exhibit C

Procurement	Number of Companies				
Catagory	FY 1989	FY 1988	Change		
Aircraft Missiles Ships Tank-Automotive Ammunition Electronics Services Construction Petroleum Weapons Subsistence All Other	16 18 9 3 5 24 13 2 7 0 3	18 15 6 4 6 23 13 10 1	-23 +31 -11 +1 -31 -2		

#### Top 10 Companies

The top 10 companies during FY 1989 are listed in Exhibit D by rank, along with its FY 1988 rank and the dollar value of the awards it received in both FY 1989 and FY 1988 Exhibit E (page 5) describes the major products of these 10 companies.

Exhibit D

RANK		COMPANY NAME	AWA (In Bil	
1989	1988	OOMI ANT NAME	1989	1988
1 2 3 4 5 6 7 8 9 10	1 2 3 5 7 8 9 6 10 11	McDonnell Douglas Corp General Dynamics Corp. General Electric Co. Raytheon Co General Motors Corp Lockheed Corp United Technologies Corp Martin Marietta Corp Boeing Co., The Grumman Corp	\$86 78 58 37 37 33 24	\$6.57 16.557 8.657 333333 2

#### Exhibit E

#### **COMPANY**

#### **MAJOR PRODUCTS**

1. McDonnell Douglas Corp.

F-18 HORNET, F-15 EAGLE, T-45 GOSHAWK, AH-64 APACHE, and AV-8 HARRIER aircraft. TOMAHAWK and HARPOON missile systems. RDT&E for C17 aircraft, missile/space systems, and electronics/communication equipment.

2. General Dynamics Corp.

F-16 FALCON fighter aircraft.
Nuclear submarines.
M-1 tank.
TOMAHAWK, STINGER, RIM-66
standard missiles, and SPARROW
missile systems.
MK-15 close-in weapon system.

3. General Electric Co.

AEGIS and Trident missile systems. F-100 and F-110 engines.
Nuclear reactors for submarines.
Underwater sound equipment.
RDT&E for missile/space systems, ships, aircraft, and electronics/communication equipment.

4. Raytheon Co.

PATRIOT, HAWK, TRIDENT,
AMRAAM, AEGIS, RIM-66
standard missiles, and PHOENIX
missile systems and components.
RDT&E electronics/communication
equipment and missile and space
systems.
Underwater Sound Equipment.

5. General Motors Corp.

AMRAAM, MAVERICK, TOW, and PHOENIX missile systems. RDT&E TRIDENT missile system. Components MK-48 Torpedo. Vehicular Power Transmission Components for M-1 Tank. Construction of Electronics and Communication Facility.

#### Exhibit E (Concluded)

#### **COMPANY**

#### MAJOR PRODUCTS

6. Lockheed Corp.

TRIDENT missile system.
C-130 HERCULES, M/R of S-3 VIKING and P-3 ORION aircraft.
RDT&E for missile/space systems, aircraft, and electronics/communication equipment.

7. United Technologies Corp.

F-100, J-52, and F-101 aircraft engines. UH-60 BLACKHAWK, SH-60 SEAHAWK, and CH-53 Sea Stallion helicopters.

RDT&E and M/R of aircraft.

8. Martin Marietta Corp.

RDT&E for TITAN missile systems.
A-64 APACHE aircraft.
HELLFIRE Modular Missile System.
Miscellaneous aircraft accessories and components.
Ammunition.

9. Boeing Co., Inc. The

VSX and CHINOOK aircraft.

M&R, miscellaneous equipment,
management services, etc. for
B-52 STRATOFORTRESS,
C-135 STRATOLIFTER, E-3A and H-46
Sea Knight aircraft.
CH-47 CHINOOK helicopter.
MX-missile components and subsystems.

10. Grumman Corp.

F-14 TOMCAT, E-2 HAWKEYE, and EA-6B PROWLER aircraft. RDT&E for aircraft, missile and space systems, and electronic and communications equipment. M&R of A-6 INTRUDER aircraft.

### TABLE 1

# INDEX OF 100 PARENT COMPANIES WHICH RECEIVED THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS

	FISCAL Y	<u>LA</u>	1 1000
R		R	
A	PARENT	A	PARENT
		N	COMPANY
N	COMPANY		COMPANY
K		K	
	ARROAD OR CORPORATION		TUREDULATANAL DUG MOUG GADD
56	AEROSPACE CORPORATION	16	INTERNATIONAL BUS MCHS CORP
23	ALLIED SIGNAL INC	90	ITT & VARO JV
36	AMERICAN TELE & TELG COMPANY	19 48	ITT CORPORATION JOHNS HOPKINS UNIVERSITY
86	AMOCO CORPORATION		
80	ARVIN INDUSTRIES INC ASTRONAUTICS CORP AMERICA	60 76	JOHNSON CONTROLS INC KAMAN CORPORATION
62	ATLANTIC RICHFIELD COMPANY	15	LITTON INDUSTRIES INC
46			
24 65	AVONDALE INDUSTRIES INC BATH HOLDING CORPORATION	6 88	LOCKHEED CORPORATION LOGICON INC
	BECHTEL GROUP INC	37	LOGICON INC
89 32	BELL BOEING JV	27	LTV CORPORATION
73	BLACK & DECKER CORPORATION THE	8	MARTIN MARIETTA CORPORATION
9	BOEING COMPANY THE	64	MASON COMPANY THE
95	BRUNSWICK CORPORATION	41	MASSACHSTTS INST OF TCHNOLOGY
72	C A E INDUSTRIES LTD	1 1	MC DONNELL DOUGLAS CORPORATION
34	CFM INTERNATIONAL INC	31	MC DONNELL DGLS GEN DYNAMCS JV
55	CHEVRON CORPORATION	78	MIP INSTANDSETZUNGSBETRIC
81	CHRYSLER CORPORATION	43	MITRE CORPORATION
66	COASTAL CORPORATION THE	84	MUSIL CORPORATION
59	COMPUTER SCIENCES CORPORATION	71	MONTEDISON SPA
83	CONTEL CORPORATION	42	MORRISON KNUDSEN CORPORATION
98	CONTINENTAL MARITIME INDS	44	MOTOROLA INC
68	CONTROL DATA CORPORATION	92	NAVCOM DEFENSE ELECTRONICS INC
82	CSX CORPORATION	100	NISSHIN SERVICE CO LTD
94	DELTA DNTL PLAN OF CALIFORNIA	30	NORTHROP CORPORATION
77	DIGITAL EQUIPMENT CORPORATION	38	OLIN CORPORATION
87	DRAPER CHARLES STARK LAB INC	45	OSHKOSH TRUCK CORPORATION
50	DYNCORP	47	PENN CENTRAL CORPORATION
58	E SYSTEMS INC	67	PETERSON BUILDERS INC
85	EASTMAN KODAK COMPANY	97	FHILIP MORRIS COMPANIES INC
54	EATON CORPORATION	63	PHILIPS GLOEILAMPENFABRIEKEN
74	EG&G INC	4	RAYTHEON COMPANY
61	EMERSON ELECTRIC CO	12	ROCKWELL INTERNATIONAL CORP
53	EXXON CORPORATION	70	ROLLS ROYCE PLC
25	FMC CORPORATION	52	ROYAL DUTCH PETROLEUM COMPANY
28	FORD MOTOR COMPANY	40	SCIENCE APPLICATIONS INTL CORP
96	FORSTMANN LITTLE & CO	51	SEQUA CORPORATION
29	FOUNDATION HEALTH CORPORATION	79	SMITHS INDUSTRIES PLC
26	GENCORP INC	91	SUNDSTRAND CORPORATION
2	GENERAL DYNAMICS CORPORATION	49	TELEDYNE INC
3	GENERAL ELECTRIC CO	21	TENNECO INC
99	GENERAL INSTRUMENT CORP DEL	20	TEXAS INSTRUMENTS INCORPORATED
5	GENERAL MOTORS CORPORATION	2د	TEXTRON INC
10	GRUMMAN CORPORATION	35	THIOKOL CORPORATION
11	GTE CORPORATION	17	TRW TNC
57	HARRIS CORPORATION	18	UNISYS CORPORATION
39	HARSCO CORPORATION	7	UNITED TECHNOLOGIES CORP
33	HERCULES INCORPORATED	13	WESTINGHOUSE ELECTRIC CORP
93	HEWLETT PACKARD COMPANY	75	VESTMARK SYSTEMS INC
14	HONEYWELL INC	69	ZENITH ELECTRONICS CORPORATION
L1		لـــــــــــــــــــــــــــــــــــــ	

R A N K	COMPANIES	THOUSANDS OF DOLLARS	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL
	TOTAL	128,958,161	100.00	100.00
	TOTAL, 100 COMPANIES/SUBSIDIARIES	85,604,136	66.38	66.38
1	MC DONNELL DOUGLAS CORPORATION MC DONNELL DOUGLAS HELICOPTER MC DONNELL DOUGLAS INCO INC MC DONNELL DOUGLAS INFO SYS CO MC DONNELL DOUGLAS TRNNG SYS MC DONNELL DOUGLAS ASTRONAUTIC	7,728,306 775,861 5,343 900 39,701 67,091		
	TOTAL	8,617,202	6.68	6.68
2	GENERAL DYNAMICS CORPORATION CESSNA AIRCRAFT COMPANY INC TOTAL	6,875,874 23,335 6,899,209	5.34	12.03
3	GENERAL ELECTRIC CO CANADIAN GENERAL ELECTRIC CO ELANO CORPORATION GELCO CORPORATION GENERAL ELECTRIC BASE SUPPORT MANAGMENT TCHNCAL SVCS CMPANY REUTER STOKES INC DFI TRANSPORT INTERNATIONAL POOL	5,760,148 330 1,375 809 1,852 6,129 64 321		
	TOTAL.	5,771,028	4,47	16.50
4	RAYTHEON COMPANY BEETH AEROSPACE SERVICES INC BEECH AIRCRAFT CORPORATION INDIANA BEECHCRAFT INC RAYTHEON SERVICE COMPANY RAYTHEON TECH ASST CO INC RAYTHN MDTRRN SSTMS CMPNY SEDCO SYSTEMS INC SWITCHCRAFT INC UNITED ENGINEERS & CONSTRS  TOTAL	3,441,868 88,608 104,304 284 95,768 70- 5,708 795 614 22,802	2.91	19.42
		011.001		
5	GENERAL MOTORS CORPORATION  ADAM OPEL AKTIENGESELLSCHAFT  AMI INSTRUMENTS INC  DELCO ELECTRONICS CORPORATION ELECTRONIC DATA SYSTEMS CORP G M HUGHES ELECTRONICS CORP HUGHES AIRCRAFT CIMPANY M/A-COM TELECUMMUNICATIONS  TOTAL	486,484 30 200 7,172 175,452 7,195 3,014,936 	< 8c	22 28

	FISCAL YEAR IS	989		<del></del>
R		THOUSANDS	PERCENT	CUMULATIVE
A	COMPANIES			1
N	COMPANIES	OF	OF	PERCENT OF
J.		DOLLARS	TOTAL	TOTAL
K				
6	LOCKHEED CORPORATION	1,312,882		
ľ	ANALYTYX ELECTRONIC SYSTEMS	6,280		
	LOCKHEED AEROMOD CENTER INC	1,547		
	LOCKHEED AEROPARTS INC	1,269	ļ	
i	LOCKHEED ELECTRONICS CO	38,205		
1	LOCKHEED ENGRG & MGT SVCS CO LOCKHEED HISSILES & SPACE CO	2,400 2,087,889		
l	LOCKHEED SPACE OPRIONS CMPANY	1,799	1	
İ	METIER INC	717		
ĺ	MURDOCK ENGINEERING COMPANY	13,784		
	SANDERS ASSOCIATES INC	184,775		
	TOTAL	3,651,547	2.83	25,11
	IOTAL	3,001,547	2.07	43,11
ł			1	
_	UNITED TECUNOLOGIES CORR			
7	UNITED TECHNOLOGIES CORP ADAPTIVE OPTICS ASSOCIATES	3,338,780 502		
	CARRIER CORPORATION	2,252		
	HAMILTON STANDARD ELECTRONICS	88		
	INTERNATIONAL FUEL CELLS CORP	1,425		
	NORDEN SYSTEMS INC	169,326		
l	OTIS ELEVATOR COMPANY SIKORSKY INTNL PRODUCTS	42,000		
	UNITED SPACE BOOSTERS INC	110		
	UNITED TCHNLGIES CTRL SYSTEMS	1,100	Į	
	UNITED TCHNOLOGIES OFT SYSTEMS	32		
ļ	UNITED TECH AUTO GROUP OPRTNS	608		
ł	TOTAL	3,556,292	2.75	27.87
	10172	0,000,232	2.13	21,01
	MARTIN MARIETTA CORPORATION	2 220 504	Į	
8	INTERNATIONAL LIGHT METALS	3,336,504 51		
	THICKNATIONAL LIGHT HEIMED			
	TOTAL	3,336,555	2.58	30,46
ļ				
			1	
9	BOEING COMPANY THE	2,844,638		
1	ARGOSYSTEMS INC	23,654		
	BOEING ELECTRONICS INC	124		
	TOTAL	2,868,416	2,22	32 68
	******	2,000,410	1 "."	] " "
	CRUMMAN CORRORATION	32		
10	GRUMMAN CORPORATION GRUMMAN AEROSPACE CURPORATION	27,118 2,297,912		
	GRUMMAN DATA SYSTEMS CORP	47,727	ĺ	
	GRUMMAN HOUSTON CURPORATION	349		
1	GRUMMAN SYSTEMS SUPPORT CORP	33		
1	TuTAL	2 272 420	1	1 34 65
	TOTAL	2,373,139	1 84	34.52
			1	
ĺ			1	
İ				]
			L	

·····	FISCAL YEAR IS	989	T	
R		THOUSANDS	PERCENT	CHAPLIL FUCTORS
A	and the state of	ŧ	1	CUMULATIVE
N	COMPANIES	OF	OF	PERCENT OF
•		DOLLARS	TOTAL	TOTAL
K				
11	GTE CORPORATION  GTE GOVERNMENT SYSTEMS CORP  GTE INTERNATIONAL INC  GTE LABORATORIES INC  GTE PRODUCTS CONNECTICUT CORP  GTE PRODUCTS CORP  GTE SERVICE CORPORATION  GTE SPACENET CORPORATION  GTE TELECOM INC  GTE TELEPHONE OPERTN NO AREA  GTE TELEPHONE OPERTN SW AREA  GTE TELEPHONE OPERTN WEST AREA	3,127 2,318,894 26 821 89 1,524 3,323 288 2,021 159 474 535		
	TOTAL	2,341,539	1.81	36.34
12	ROCKWELL INTERNATIONAL CORP ALLEN BRADLEY COMPANY COLLINS INTERNATIONAL SVC CO ROCKWELL DEL INC TOTAL	1,814,638 345 317,788 31 2,132,802	1.65	37.99
13	WESTINGHOUSE ELECTRIC CORP T S C INC XETRON CORPORATION TOTAL	1,640,844 7,758 1,011 1,649,613	1,27	39.27
14	HONEYWELL INC HONEYWELL FEDERAL SYSTEMS HONEYWELL INC GBG TETRA TECH DATA SYSTEMS INC TOTAL	1,370,878 177,641 109 6,794 1,555,422	1.20	4 <b>0.48</b>
15	LITTON INDUSTRIES INC INGALLS SHIPBUILDING INC LITEF (LITTON TECHNISCHE WERK) LITTON SYSTEMS INC  TOTAL	237,717 680,678 253 517,959 1,436,607	1.11	41.59
16	INTERNATIONAL BUS MCHS CORP IBM EUROPEAN OPERATIONS TOTAL	1,308,557 150 1,308,707	1.01	42.61

R	FISCAL TEAR 1:	909		
A	COMPANIES	THOUSANDS OF	PERCENT	CUMULATIVE PERCENT OF
N K		DOLLARS	TOTAL	TOTAL
17	TRW INC  ESL INCORPORATED  T R W ELECTRONIC PRODUCTS INC	1,224,096 68,247 1,211		
	TOTAL	1,293,554	1.00	43.61
18	UNISYS CORPORATION SYSTEM DEVELOPMENT CORPORATION TIMEPLEX INC UNISYS CANADA INC UNISYS PERIPHERALS CORPORATION	1,158,189 81,996 3,888 454 84		
	TOTAL	1,244,621	0.96	44.57
19	ITT CORPORATION  FEDERAL ELECTRIC CORPORATION FELEC SERVICES INC ITT ARCTIC SERVICES INC ITT BASE SERVICES INC ITT DIALCOM INC ITT GILFILLAN SHERATON CORPORATION THE	762,986 120,587 127,926 5,083 5,602 100 140,999		
	TOTAL	1,163,322	0.90	45.48
20	TEXAS INSTRUMENTS INCORPORATED TEXAS INSTRUMENTS ASIA LIMITED TOTAL	945,494 767 946,261	0.73	46.21
21	TENNECO INC CASE J I COMPANY MONROE AUTO EQUIPMENT COMPANY NEWPORT NEWS INDUSTRIAL CORP NEWPORT NEWS SHPBLDING DRYDOCK	25 26,335 26 11 889,496		
	TOTAL	915,893	0.71	46.92
52	TEXTRON INC  AIRFOIL TEXTRON AVCO CORPORATION AVCO RESEARCH LABORATORY INC BABCO INDUSTRIES INC BELL HELICOPTER INTERNATIONAL BELL HELICOPTER TEXTRON INC CADILLAC GAGE TEXTRON INC EX CELL O CORPORATION H R TEXTRON INC NORWOOD PRECISION PDTS TEXTRON TEXTRON LYCOMING	94,596 2,716 394,593 34,134 2,511 2,647 331,258 12,852 12,769 18,608 956 813		
	TOTAL	908,453	0.70	47.62

<del> </del>	FISCAL YEAR 1	909	<sub>γ</sub>	·
R A N K	COMPANIES	THOUSANDS OF DOLLARS	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL
23	ALLIED SIGNAL INC ALLIED SIGNAL AEROSPACE CO SIGNAL RESEARCH CENTER INC UOP INC	199,539 705,444 555 101		
	TOTAL	905,639	0.70	48.33
24	AVONDALE INDUSTRIES INC AVONDALE GULFPORT MARINE	832,161 46,816		
	TOTAL	878,977	0.68	49.01
25	FMC CORPORATION LINK BELT CONSTRUCTION EOP CO	793,953 1,875		
	TOTAL	795,828	0.61	49.63
26	GENCORP INC  AEROJET AEROJET ELECTRO SYSTEMS AEROJET ORDNANCE AEROJET TECHSYSTEMS  TOTAL	199,525 306,208 280,990 531 1,480 788,734	26.0	50.24
		, 55,, 5	1,51	
27	LTV CORPORATION AM GENERAL CORPORATION LTV AEROSPACE & DEF CO LTV ENERGY PROD	7,311 215,095 533,167 ,,461		
	TOTAL	757,034	0.58	50.82
28	FORD MOTOR COMPANY  BDM CORPORATION  BDM INTERNATIONAL INC  BDM MANAGEMENT SERVICES CO  BDM SERVICES COMPANY  FORD AEROSPACE COMMCTIONS CORP	1,474 8,678 154,902 10,516 11,739 566,702		
	TOTAL	754,011	0.58	51.41
29	FOUNDATION HEALTH CORPORATION TOTAL	639,309 639,309	0.43	51.90
30	NORTHROP CORPORATION	556,112		
	NORTHROP WRLDWIDE AIRCRAFT SVC TOTAL	74,967 631,079	0 48	52.39
L	<u> </u>	<u> </u>	<u> </u>	

R	FISCAL TEAR 1	THOUSANDS	PERCENT	CUMULATIVE
A N K	COMPANIES	OF DOLLARS	OF TOTAL	PERCENT OF TOTAL
31	MC DONNELL DGLS GEN DYNAMCS JV	620,000		
	TOTAL	620,000	0.48	52.87
32	BELL BOEING JV	552,173		
	TOTAL	552,173	0.42	53.30
33	HERCULES INCORPORATED SIMMONDS PRECISION PRODUCTS	504,280 32,995		
	TOTAL	537,275	0.41	53.72
34	CFM INTERNATIONAL INC	517,276		
	TOTAL	517,276	0.40	54.12
35	THIOKOL CORPORATION	513,797 192	 	
	TOTAL	513,989	0.39	54,52
36	AMERICAN TELE & TELG COMPANY A T & T COMMUNICATIONS INC A T & T GUILFORD CENTER A T & T INFORMATION SYSTEMS A T & T PARADYNE CORP A T & T TECHNOLOGIES INC BELL TELEPHONE LABS INC WESTERN ELECTRIC SAUDI ARABI  TOTAL	49,537 4,184 25 36,582 2,039 397,713 60 69 490,209	0.38	54.90

FISCAL YEAR I	989		
' COMPANIES	THOUSANDS OF DOLLARS	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL
LORAL CORPORATION  LORAL AMERICAN BERYLLIUM CORP  LORAL CONTROL SYSTEMS  LORAL DATA SYSTEMS  LORAL ELECTRO OPTICAL SYSTEMS  LORAL ELECTRONIC SYSTEMS  LORAL FAIRCHILD SYSTEMS  LORAL HYCOR INC  LORAL HYCOR INC  LORAL INFORMATION DISPLAY SYS  LORAL INSTRUMENTATION  LORAL MICROWAVE FSI  LORAL MICROWAVE NARDA  LORAL MICROWAVE NARDA  LORAL MICROWAVE WAVECOM  LORAL RANDTRON SYSTEMS  LORAL ROLM MIL SPEC COMPUTERS  LORAL SOLARTRON  LORAL SYSTEMS MFG CO  LORAL TERRACOM	270,125 261 10,554 1,179 13,855 22,954 71,551 49,416 1,033 2,033 200 896 1,908 976 159 1,724 1,629 488 52 76	0.34	55.25
OLIN CORPORATION GENERAL DEFENSE CORPORATION PACUFIC ELECTRO DYNAMICS INC PHYSICS INTERNATIONAL COMPANY RAVENNA ARSENAL ROCKET RESEARCH CO TOTAL	334,128 76,173 231 18,801 9,023 508 438,864	0.34	55.59
HARSCO CORPORATION TOTAL	432,764	0.33	55.93
SCIENCE APPLICATIONS INTL CORP AMERICAN SYSTEMS ENGRG CORP SAIC ARCHITECTS INC TOTAL	405,382 9,252 97 414,731	0.32	56.25
MASSACHSTTS INST OF TCHNOLOGY TOTAL	412,480	0.31	56.57
	LORAL CORPORATION  LORAL AMERICAN BERYLLIUM CORP  LORAL CONTROL SYSTEMS  LORAL ELECTRO OPTICAL SYSTEMS  LORAL ELECTRO OPTICAL SYSTEMS  LORAL ELECTRO OPTICAL SYSTEMS  LORAL ELECTRONIC SYSTEMS  LORAL INFORMATION DISPLAY SYS  LORAL INFORMATION DISPLAY SYS  LORAL MICROWAVE PSI  LORAL MICROWAVE PSI  LORAL MICROWAVE MARDA  LORAL MICROWAVE WAVECOM  LORAL MICROWAVE WAVECOM  LORAL ROLM MIL SPEC COMPUTERS  LORAL SOLARTRON  LORAL SYSTEMS MFG CO  LORAL TERRACOM   TOTAL  OLIN CORPORATION  GENERAL DEPENSE CORPORATION  PACUFIC ELECTRO DYNAMICS INC PHYSICS INTERNATIONAL COMPANY  RAVENNA ARSEALA  ROCKET RESEARCH CO  TOTAL  HARSCO CORPORATION  TOTAL  SCIENCE APPLICATIONS INTL CORP  AMERICAN SYSTEMS ENGRG CORP  SAIC ARCHITECTS INC  TOTAL  MASSACHSTTS INST OF TCHNOLOGY	COMPANTES	COMPANIES

	FISCAL YEAR 1	989		·
R A	COMPANIES	THOUSANDS OF	PERCENT OF	CUMULATIVE
N K	COMPANIES	DOLLARS	TOTAL	PERCENT OF TOTAL
42	MORRISON KNUDSEN CORPORATION  MK FERGUSON COMPANY MORRISON KNUDSEN COMPANY INC MORRISON KNUDSEN ENGINEERS MORRISON KNUDSEN INTL CO MORRISON KNUDSEN SERVICES INC NATIONAL PROJECTS INC NATIONAL STL SHPBLDING CMPANY WESTERN AIRCRAFT MAINTENANCE	0 183 27,413 7,820 15,524 1,070 5,656 331,719 145	0,30	55,87
	10111	303,000	0.30	32.07
43	MITRE CORPORATION	388,517		
	TOTAL	388,517	0.30	57.17
44	MOTOROLA INC CODEX CORPORATION MOTOROLA COMMUNICATIONS & ELEC MOTOROLA INFORMATION SYSTEMS TEGAL CORPORATION UNIVERSAL DATA SYSTEMS DEL	362,262 3,358 10,827 1,348 357 102		
	TOTAL	378,254	0.29	57.46
45	OSHKOSH TRUCK CORPORATION	360,478		
	TOTAL	360,478	0.27	57.74
46	ATLANTIC RICHFIELD COMPANY ARCO METALS COMPANY ARCO POWER TECHNOLOGY	336,894 27 493	0.00	50.00
	TOTAL	337,414	0.26	58.00
47	PENN CENTRAL CORPORATION  G & H TECHNOLOGY INC  GK TECHNOLOGIES INCORPORATED  MARATHON MFG COMPANY  VITRO CORPORATION  VITRO SERVICES CORPORATION	182 1,603 1,982 6,532 281,004 42,275		
	TOTAL	333,478	0.25	58.26
48	JOHNS HOPKINS UNIVERSITY	328,231		
	TOTAL	328,231	0.25	58.52
				<u> </u>

77	FISCAL TEAN IS	303	T	T
RA	COMPANIES	THOUSANDS OF	PERCENT OF	CUMULATIVE PERCENT OF
N K		DOLLARS	TOTAL	TOTAL
49	TELEDYNE INC TELEDYNE EXPLORATION CO TELEDYNE INDUSTRIES INC	2,287 62 <u>317,615</u>		
	TOTAL	319,964	0.24	58.77
50	DYNCORP  DYNAIR AVIATION GROUP DYNAIR SYSTEM SERVICES DYNASPAN SERVICES COMPANY DYNCORP APPLIED TECHNOLOGY ITS INTERNATIONAL SERVICE GMBH SEA MOBILITY INC	250,703 857 1,052 22,913 22,199 5,607 8,772		
	TOTAL	312,103	0.24	59.01
51	SEQUA CORPORATION ATLANTIC RESEARCH CORPORATION CHROMALLOY GAS TURBINE CORP CHROMALLOY PRECISION PRODUCTS JANUS SYSTEMS	131,091 123,139 55,502 68 1,058		
	TOTAL	310,858	0,24	59.25
52	ROYAL DUTCH PETROLEUM COMPANY PHIPINAS SHELL PETROLEUM SCALLOP CORP SHELL EASTERN PETROLEUM PTE LT SHELL INJERNATIONAL PETROLEUM SHELL NEDERLAND RAFFINADERE SHELL OIL COMPANY SHOWA SHELL SEIKYU K K	0 90 37,055 54 173 26,038 240,665 2,170		
	TOTAL	306,245	0,23	59,49
53	EXXON CORPORATION ESSO AG ESSO STANDARD OIL SA LTD EXXON SHIPPING CO IMPERIAL GIL CO INC	282,196 7,009 460 176 16,378		
	TOTAL	306,219	0.23	59.72
54	EATON CORPORATION  ADDINGTON LABORATORIES INCURPO AMERICAN NUCLEONICS CORP EATUN CONSULIDATED CONTRULS EATON KENWAY INCORPORATED PACIFIC SIERRA RESEARCH CORP	291,732 41- 645 1,592 429 13,137		
	TSTAL	304,494	J 23	59 9t

	TISCAL ILAN I	303		·
R A N	COMPANIES	THOUSANDS OF DOLLARS	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL
55	CHEVRON CORPORATION CHEVRON U S A INC	0 303,250		
	TOTAL	303,250	0.23	60.20
56	AEROSPACE CORPORATION TOTAL	<u>301,430</u> 301,430	0.23	60,43
57	HARRIS CORPORATION INTERSIL INC	277,186 3,528	0.23	60.43
	LANIER BUSINESS PRODUCTS INC LANIER WORLDWIDE INC TOTAL	3,144 2,309 286,167	0.22	60.65
58	E SYSTEMS INC SERV AIR INC	206,288 77,747		
	TOTAL	284,035	0.22	60.87
59	COMPUTER SCIENCES CORPORATION TOTAL	249,550 249,550	0.19	61.06
60	JOHNSON CONTROLS INC	245,922		
	TOTAL	245,922	0.19	61.26
61	EMERSON ELECTRIC CO AUTOMATIC SWITCH COMPANY BECKMAN INDUSTRIAL CORP ELECTRONIC NAVIGATION INDS EMERSON POWER TRANSMISSION CO FLOW TECHNOLOGY INC HAZELTINE CORPORATION KRAUTKRAMER BRANSON INC LIEBERT CORPORATION MIDWEST COMPONENTS INC RANTEC DIV EMERSON ELEC CO ROSEMOUNT INC ROSEMOUNT OFFICE SYSTEMS INC SOUTHWEST MOBILE SYSTEMS CORP VACCO INDUSTRIES  TOTAL	139,125 357 401 457 109 257 45,276 100 3,183 86 36 15,387 637 32,710 2,831 240,952	0.18	61.44

R	TISCAL ILAN I	THOUSANDS	PERCENT	CUMULATIVE
A	COMPANIES	OF	OF	PERCENT OF
ĸ		DOLLARS	TOTAL	TOTAL
62	ASTRONAUTICS CORP AMERICA KEARFOTT GUIDANCE NAVIG CORP	31,139 193,765		
	TOTAL	224,904	0.17	61.62
63	PHILIPS GLOEILAMPENFABRIEKEN  AIRPAX CORP GENERAL ATRONICS CORP MAGNAVOX COMPANY INC MAGNAVOX GOVT & INDSTRL ELCTR MAGNAVOX OVERSEAS LTD NEW ENGLAND RESEARCH CENTER NORTH AMERICAN PHILIPS CORP PHILIPS COMPNIS DSCRTE PRD DIV PHILIPS CONSUMER ELECTRONICS PHILIPS ELECTRONIC INSTRUMENTS PHILIPS INFORMATION SYSTEMS CO PHILIPS INTERNATIONAL BV PHILIPS LIGHTING CO PHILIPS MEDICAL SYS NO AMERICA SIGNETICS CO	29 1,376 2,499 307 204,371 203 650 551 239 82 5,046 36 798 994 3,164		
	TOTAL	220,486	0.17	61.79
64	MASON COMPANY THE MASON & HANGER ENGINEERING MASON CHAMBERLAIN INC MASON HANGER SILAS MASN INC WV  TOTAL	2,051 138,905 77,636 218,592	0.16	61,96
65	BATH HOLDING CORPORATION BATH IRON WORKS CORPORATION	0 217,783		
	TOTAL	217,783	0.16	62.13
66	COASTAL CORPORATION THE BELCHER NEW ENGLAND INC BELCHER OIL CO OF NEW YORK BELCHER OIL COMPANY COASTAL EAGLE PT OIL COMPANY COASTAL REFINING & MARKETING MOUNTAIN INDUS GAS COMPANY PACIFIC REFINING COMPANY	9,527 4,800 4,278 3,436 183,909 1,981 6,470		
	TOTAL	214,401	0 16	62.29
67	PETERSON BUILDERS INC	212,854		
	TOTAL	212,854	0 16	62 46

	FISCAL YEAR 1989					
R A	ACMES AVERA	THOUSANDS	PERCENT	CUMULATIVE		
N	COMPANIES	OF DOLLARS	OF	PERCENT OF TOTAL		
K		Dominico	AVAPAG	IOIAL		
68	CONTROL DATA CORPORATION CONTROL DATA CANADA LIMITED	207,982 3,044				
	TOTAL	211,026	0.16	62.62		
69	ZENITH ELECTRONICS CORPORATION VERITECHNOLOGY ELECTRONICS ZENITH DATA SYSTEMS CORP	165,893 5,021 37,708				
	TOTAL	208,622	0.16	62.78		
70	ROLLS ROYCE PLC ROLLS ROYCE INC	823 206,755				
	TOTAL	207,578	0.16	62.94		
71	MONTEDISON SPA INTERMARINE U S A SELM SERVIZI ELETTRICI MONTEDI	0 111,482 85,005				
	TOTAL	196,487	0.15	63.10		
72	C A E INDUSTRIES LTD ALLEN CORPORATION OF AMERICA	181,617 2,741				
	TOTAL	184,358	0.14	63.24		
73	BLACK & DECKER CORPORATION THE ADVANCED TECHNOLOGY INC EMHART INDUSTRIES INC PLANNING RESEARCH CORPORATION	95,234 113 87,108				
	TOTAL	182,455	0.14	63.38		

	FISCAL ILAN I	<del>303</del>	r	
R		THOUSANDS	PERCENT	CUMULATIVE
A	COMPANIES	OF	OF	PERCENT OF
N	CONTANTED	j	1	1
R		DOLLARS	TOTAL	TOTAL
		<b> </b>		
74	EG&G INC	24,456	ĺ	j '
	E G & G ALMOND INSTRUMENTS INC	2,398		
1	E G & G ASTROPHYSICS	120		
1	E G & G BIRTCHER INDUST PRODS	102 314		
	E G & G CEA BERKLEONICS E G & G DYNATREND INC	747		,
1	E G & G ELECTRONIC COMPONENTS	25	1	1
1	E G & G FLORIDA INC	2,362		
1	E G & G FRANK HILL ASSOCIATES	134	ĺ	
1	E G & G GAMMA SCIENTIFIC INC E G & G GEOMETRICS INC	98 777	i	
1	E G & G INTERTECH INC	10,921		
1	E G & G KT AEROFAB	1,211	ì	
	E G & G MASON RESEARCH INST	1,381		
1	E G & G POWER SYSTEMS	115 536		
	E G & G PRESSURE SCIENCE E G & G PRINCETON APPLIED RES	229		
	E G & G RETICON	18,294		
1	E G & G ROTRON	434	]	
1	E G & G SEALOL INC	1,813		
]	E G & G SPECIAL PROJECTS INC E G & G WASHINGTON ALALYTL SVC	931 71,206		
	E G & G WRIGHT COMPONENTS	77.2		
Į į				
	TOTAL	175,436	0.13	63,52
75	WESTMARK SYSTEMS INC TRACOR AEROSPACE INC TRACOR APPLIED SCIENCES INC TRACOR FLIGHT SYSTEMS INC TRACOR HYDRONAUTICS INC TRACOR INSTRUMENTS AUSTIN INC TRACOR MARINE INC TRACOR NORTHERN INC TRACOR XRAY INC	1,896 141,199 21,144 1,859 209 1,900 142 61		
	TOTAL	168,410	0.13	63.65
76	KAMAN CORPORATION	19,498	]	
	ELECTROMAGNETIC LAUNCH	4,903		
1	KAMAN AEROSPACE CORPORATION KAMAN INSTRUMENTATION CORP	56,863 133	1	
1	KAMAN SCIENCES CORPORATION	50,082	1	
[	KAMATICS CORPORATION	6,717	l	
	LOCUS INC	10,722		
	RAYMOND ENGINEERING INC	19,106	1	
	TOTAL	168,024	0.13	63.78
77	DIGITAL EQUIPMENT CORPORATION	163,549		
''	DIGITAL EQUIPMENT GMBH	880		
	DIGITAL EQUIPMENT INTL	1,257	1	
	TOTAL	165,666	0 12	63 91
	104112	}		'''
			<u> </u>	<u> </u>

	FISCAL YEAR 19	989		
R A N	COMPANIES	THOUSANDS OF	PERCENT OF	CUMULATIVE PERCENT OF
K		DOLLARS	TOTAL	TOTAL
78	MIP INSTANDSETZUNGSBETRIC	165,467		
	TOTAL	165,467	0.12	64.03
79	SMITHS INDUSTRIES PLC AERO ELECTRIC CONNECTOR CO THE SIMS INC SMITHS INDUSTRIES INC USA TIMES MICROWAVE SYSTEMS INC	0 165 42 162,402 731		
	TOTAL	163,340	0.12	64.16
80	ARVIN INDUSTRIES INC CALSPAN CORPORATION SYSTEMS RESEARCH LABORATORIES TOTAL	80,960 81,185 162,145	0.12	64.29
81	CHRYSLER CORPORATION ACUSTAR INC CHRYSLER MOTORS CORPORATION CHRYSLER TECHNOLOGIES ABBRN SY GULFSTREAM AEROSPACE CORP DEL GULFSTREAM AEROSPACE CORP GA PENTASTAR ELECTRONICS INC	0 64 412 127,974 293 20,972 10,789		
	TOTAL	160,504	0.12	64,41
82	CSX CORPORATION  JEFFBOAT INCORPORATED SEA-LAND SERVICE INC  TOTAL	0 89 159,820 159,909	0.12	64 53
83	CONTEL CORPORATION  AMERICAN SATELLITE COMPANY CONTEL FEDERAL SYSTEMS INC CONTEL OF CALIFORNIA INC INDEPENDENT COMMUNICATIONS	7,075 104,725 46,014 373 1,563		
	TOTAL	159.750	0 12	64.66
84	MOBIL CORPORATION  MUBIL DIL HUNG KONG LTD  MUBIL DIL ITALIANA SPA  TUTAL	159,445 92 58 159,595	0 12	£4 78

	FISCAL TEAN I	<del>700</del>	<del>,</del>	<del>,</del>
R		THOUSANDS	PERCENT	CUMULATIVE
A		1		1 1
	COMPANIES	OF	OF	PERCENT OF
N		DOLLARS	TOTAL	TOTAL
K				
	EACTAAN KODAK OOMBANY			
85	EASTMAN KODAK COMPANY	51,109		
1	CYCLOTOMICS INC	29	Ì	
1	DATATAPE INCORPORATED	5,843	i	
	EASTMAN TECHNOLOGY INC	50		,
	EIKONIX CORPORATION	59		1
	HOLSTON DEFENSE CORPORATION STERLING DRUG INC	96,980		<b>,</b>
i	STERLING PRODUCTS INTL	149		
ļ	WINTHROP PRODUCTS INC	57	ļ	
	***************************************			
•	TOTAL	155,514	0.12	64.90
		1		
			1	
	AMOOO CORRORATION			
86	AMOCO CORPORATION	148,459	ł	
Į.	AMOCO PERFORMANCE PRODUCTS	792	ļ	
1	AMOCO TECHNOLOGY CO	200		
1	SOLAREX CORP	52-		
ł	TOTAL	149,399	0.11	65.02
i	IVIAZ	145,555	1	03.02
Ì		1		
		1		
87	DRAPER CHARLES STARK LAB INC	140,640		
	i			1
1	TOTAL	140,640	0.10	65.13
				1
88	LOGICON INC	73,997		
1 "	EAGLE TECHNOLOGY INC	22,039	ĺ	
1	R & D ASSOCIATES	41,716	1	
1	TOTAL	137,752	0.10	65.23
	DECUTEL CROUPING	27 120	į	
89	BECHTEL GROUP INC	27, 328	1	1
1	BECHTEL CONSTRUCTION CORP BECHTEL NATIONAL INC	20 629 86,047	ļ	
İ	BECHTEL OPERATING SVCS CORP	287		
1	BECHTEL OFERATING SVCS CORF	62		
1	BECON SERVICES CORPORATION	951		1
	PMB SYSTEMS ENGINEERING INC	46		1
1	The state and the state of the		1	
1	TOTAL	135,850	0.10	65.34
1		1	1	
1				
1	ITT & VARO JV	1 100 100	1	
90	IIII a vano uv	133,436		
1	TOTAL	133,436	0.10	65.44
1	10172	100,100	"."	""
				j j
1				
91	SUNDSTRAND CORPORATION	123,308	1	
	FALK CORPORATION THE	40	1	
1	CIGNATRON INC	1,378		
	s'LLAIR CORPORATION	1,267		
I	SUNDSTRAND DATA CONTROL INC SUNDSTRAND SERVICE CORPORATION	5,500		
1	SOMESTRAND SERVICE CORPORATION	244_		
	Teral	131,737	0 10	65.55
		1	1	''''
			1	
L		<u> </u>	J	

R A N K	COMPANIES	THOUSANDS OF DOLLARS	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL
92	NAVCOM DEFENSE ELECTRONICS INC	127,904		
	TOTAL	127,904	0.09	65.64
93	HEWLETT PACKARD COMPANY HEWLETT PACKARD GMBH VERTRIEBS	122,749 405		
	TOTAL	123,154	0.09	65,74
94	DELTA DNTL PLAN OF CALIFORNIA	120,508		
	TOTAL	1 20,508	0.09	65.83
95	BRUNSWICK CORPORATION	120,422		
	TOTAL	120,422	0.09	65,93
96   	FORSTMANN LITTLE & CO FL AEROSPACE CORP HYPERION IDUSTRIES CORP LEAR SIEGLER DVERSFED HOLDINGS PEABODY BARNES INC PEABODY FLOWAY INC PTC AEROSPACE PULLMAN COMPANY THE	0 18,152 657 99,329 580 238 165 243		
	TOTAL	119,364	0.09	66.02
97	PHILIP MORRIS COMPANIES INC ALL AMERICAN GOURMET CO THE GENERAL FOODS CORPORATION KRAFT INC MAYER OSCAR FOODS CORPORATION	63 943 69 36,955 7,497 9,625		
	TOTAL	118,089	0.09	66.11
98	CONTINENTAL MARITIME INDS CONTINUTAL METIME OF SAN DIEGO	33,818 82,791		
	TOTAL	116,609	0 09	66.20
99	GENERAL INSTRUMENT CORP DEL	113,338 1,865		
	TOTAL	115,203	0.08	66 29

	FISCAL YEAR 1989					
R		THOUSANDS	PERCENT	CUMULATIVE		
A	COMPANIES	OF	OF	PERCENT OF		
N		DOLLARS	TOTAL	TOTAL		
K						
100	NISSHIN SERVICE CO LTD	109,861				
	TOTAL	109,861	0.08	66.38		
}		·				
			!			
}			ļ			
				<u> </u>		
}			l			
1						
1						
				1		
			<u> </u>			
1			1			
			1			
1						
			ĺ			
1						
			1			
			1			
L			<u> </u>			